

**AMENDMENTS TO THE SPECIFICATION:**

At page 20, lines 8-13, please replace the paragraph as follows (underlined denotes replacements/additions and strikethrough/double bracket denotes deletions):

The control system 100 may measure the atrial lead impedance using a pace pulse delivered by the energy delivery circuitry ~~105~~ 106 via the atrial lead. The control system may also measure the impedance using a stimulus delivered via the atrial lead, wherein the stimulus has an energy insufficient to effect atrial capture. The control system 100 may measure atrial lead impedance after detection of an atrial arrhythmic event or episode and prior to atrial ATP therapy delivery.